

Bellringer

→ What are the major oceans? Rank them from largest to smallest.

1) Pacific 2) Atlantic 3) Indian 4) Southern 5) Arctic

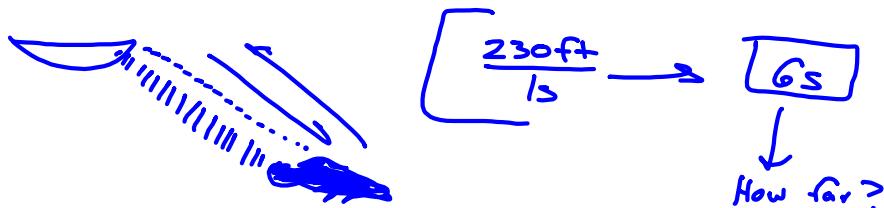
PAISA

→ What is sonar? Describe how it works.
Sound navigation and ranging

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→ What are the world's oceans?

→ Explain how sonar works.



The Water Planet (19.1) Review

Grade: 9th

Subject: Earth Science

Date:

1 Earth's smallest ocean is the _____ Ocean.

- 2 The _____ Ocean extends from the coast of Antarctica to the 60 degree South latitude.

Southern

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.

- 3 The _____ Ocean contains more than one-half of Earth's ocean water.

Pacific

.

.

.

4 The Earth's third largest ocean is the _____ Ocean.

Indian

5 A large body of saline water that may be surrounded by land is a(n) ...

A submersible

B ocean

C global ocean

D sea

6 How much of Earth's total mass is the global ocean?

A 97%

B $1/2$

C $1/4000$

D $1/800$

7 Scientists use sonar to ...

A measure the temperature of ocean water

B calculate the depth of the ocean floor

C photograph ocean organisms

D obtain samples from the ocean floor

8 To see the bottom of the ocean for himself or herself while remaining connected to a research ship, a scientist would use...

A a submarine robot

B a bathysphere

C sonar

D a bathyscaph

Ocean Floor Review

Grade: 9th

Subject: Earth Science

Date:

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→ What forms an ocean trench?

ocean + ocean Mariana trench - 35,994 ft deep

→ Where do mid-ocean ridges form?



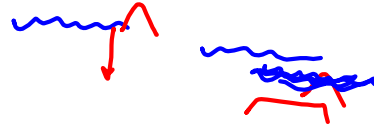
→ What are some features of the ocean floor?

→ mid-ocean ridge

seamount?

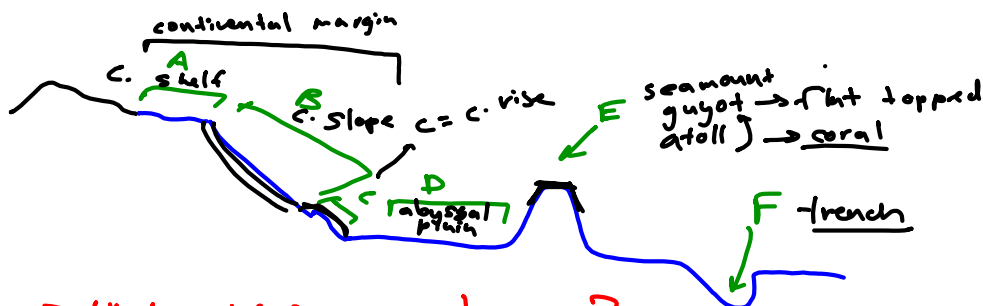
table mount

→ Hawaii

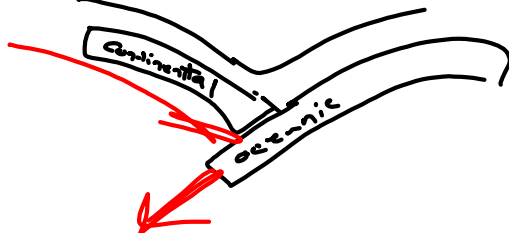


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→ On the diagram below, label the features:



→ What causes ocean trenches?



Ocean Floor Review

Grade: 9th

Subject: Earth Science

Date:

1 The flattest regions on Earth are..

- A trenches
- B mid-ocean ridges
- C seamounts
- D abyssal plains

2 Seamounts are most likely to form in...

- A tablemounts
- B fracture zones
- C hot spots
- D trenches

3 Most mid-ocean ridges form ...

- A below sea level
- B in trenches
- C in areas of increased volcanic activity
- D along fracture zones

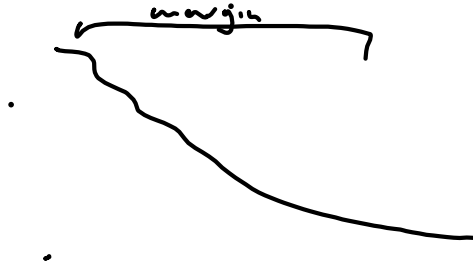
4 The deepest place in Earth's crust is a(n)...

- A abyssal plain
- B seamount
- C trench
- D submarine canyon

5 An atoll will eventually become a(n)...

- A seamount
- B guyot
- C fracture zone
- D mid-ocean ridge

6 The part of the continent covered by water is the continental shelf. margin



7 The shallow sea floor between the shore and the deep-ocean bottom is the continental shelf.

8 A deep valley in the continental margin is called a

submarine
canyon

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→ What are the 5 oceans of the Earth?

smallest → largest largest
Arctic, Southern, Indian, Atlantic, Pacific

→ Where do mid-ocean ridges form?
plate → divergent

→ How do volcanic islands form?

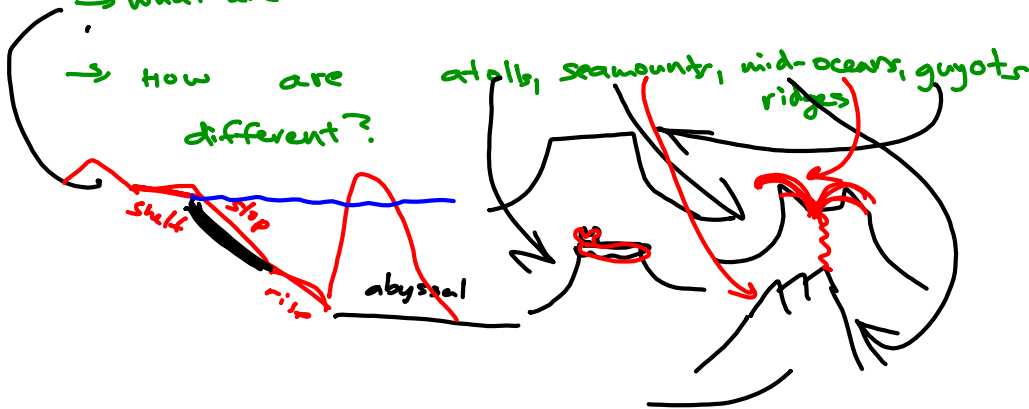
→ What is a seamount? How does it form a guyot?



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→ What are the features of the "continental margin"?

→ How are atolls, seamounts, mid-ocean ridges, guyots different?

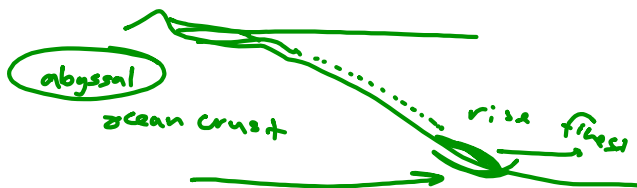


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→ What is a turbidity current?

→ What causes the "continental rise"?

↳ heavy particles



Ocean Basins (19.3) Review

Grade: 9th

Subject: Earth Science

Date:

1 A piece of sediment collected by drilling is a(n)

A inorganic sediment

B core sample

C biogenic sediment

D diatom

2 Meteorite dust is one kind of ...

- A nodule
- B inorganic sediment
- C ooze
- D core sample

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3 Sediments from rivers spread over the deep-ocean basins by means of...

- A icebergs
- B chemical reactions
- C wind
- D turbidity currents

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4 The silica in biogenic sediments comes mainly from ...

A diatoms and radiolarians

B foraminiferans

C nodules

D calcium carbonate

.

5 The siliceous ooze is found near Antarctica because...

A ^{silica} red clay is common

B the ocean waters contain large amounts of diatoms
and radiolarians

C silicon dioxide dissolves in cold water

D there are many foraminiferans here

.

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6 Remains of marine plants and animals are called
organic sediment.

biogenic

7 Fine silt- and clay-sized rock particles are called

Sediments

January 26, 2015

